

Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Engineering
CAREER PATHWAY
Engineering & Technology
CAREER CLUSTER

Career Cluster: Engineering & Technology

Career Pathway: Engineering

JUNIOR HIGH / MIDDLE SCHOOL
HIGH SCHOOL
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)
EXPLORER COURSES: Choose one or more of the following courses.
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.
POSTSECONDARY:
Utah System of Higher Education: ushe.edu UtahMajors.org: Utah Majors Guide
Utah System of Technical Colleges: utech.edu

* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> > Machine Operator > Production Technician 	<ul style="list-style-type: none"> > Electro-Mechanical Technicians > Electronics Equipment Assembler 	<ul style="list-style-type: none"> > Automation Engineer > CTE Teacher > Electrical Engineer > Electronics Drafter

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

Student Testimonial

"I have always liked doing hands-on projects and thinking of different ways to make something better. With the CTE classes I was able to see whole processes, from the design stage on paper to transferring that design and idea into a computer application, then all the way to building a prototype."

Hunter Okerlund
Fremont High School

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Engineering & Technology

UtahCTE.org: [Fact Sheet](#)

UtahFutures.org: [Occupation/Wage Search](#)

TSA

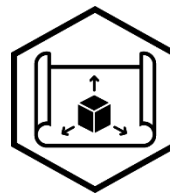
is the Career and Technical Student Organization (CTSO) for students in the Engineering Career Pathway.

[TSAweb.org](#) | [UtahTSA.org](#)

[Utah TSA flyer](#)



Utah Career and Technical Education Career Pathway Chart 2020-2021 School Year




Mechanical Design (CAD)
CAREER PATHWAY
Engineering & Technology
CAREER CLUSTER

Career Cluster: Engineering & Technology

Career Pathway: Mechanical Design (CAD)

JUNIOR HIGH / MIDDLE SCHOOL
HIGH SCHOOL
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)
EXPLORER COURSES: Choose one or more of the following courses.
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.
POSTSECONDARY:
Utah System of Higher Education: ushe.edu UtahMajors.org: Utah Majors Guide
Utah System of Technical Colleges: utech.edu

* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	> Engineering Technician > Mechanical Drafter > Mechanical Engineering Technician	> Aerospace Engineer > CTE Teacher > Civil Engineer > Industrial Designer

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Student Testimonial

"My training, in CTE courses in high school, prepared me for life after high school by helping me discover my love of drafting. I discovered the need for drafters in the world of engineering. I focused my CTE Pathway toward this career goal and have taken some advanced drafting classes to improve both my knowledge of the field and my employability in the field."

Calvin Hill
Intech Collegiate High School

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Engineering & Technology

UtahCTE.org: [Fact Sheet](#)

UtahFutures.org: [Occupation/Wage Search](#)

TSA

is the Career and Technical Student Organization (CTSO) for students in the Mechanical Design (CAD) Career Pathway.

TSAweb.org | UtahTSA.org

[Utah TSA flyer](#)

